

## EAST Search History

| Ref # | Hits    | Search Query                               | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L1    | 349     | "562/485".CCLS.                            | USPAT; USOCR                              | OR               | ON      | 2008/09/12 09:35 |
| L2    | 162     | L1 AND @AD<="20040305"                     | USPAT; USOCR                              | OR               | ON      | 2008/09/12 09:35 |
| L3    | 1560676 | vessel or reactor or agitation or agitator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L4    | 1384    | decompression adj valve                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L5    | 65      | L4 same L3                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L6    | 78699   | terephthalic adj acid                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L7    | 402905  | slurry                                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L8    | 2448    | L6 same L7                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L9    | 1560676 | vessel or reactor or agitation or agitator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L10   | 1085    | L8 same L9                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L11   | 3212110 | tube or extraction                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L12   | 93      | L10 same L11                               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2008/09/12 09:35 |
| L13   | 3       | ((TETSUYA) near2 (CHIKATSUNE)).INV.        | US-PGPUB; USPAT; USOCR                    | OR               | ON      | 2008/09/12 09:43 |

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| L14 | 64   | ((HIROSHI) near2 (HORI UCHI)).INV.      | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/09/12<br>09:43 |
| L15 | 26   | ((TETSUYA) near2 (CHI KATSUNE)).INV.    | USPAT; EPO;<br>JPO; DERWENT   | OR | ON  | 2008/09/12<br>09:44 |
| L16 | 639  | ((HIROSHI) near2 (HORI UCHI)).INV.      | EPO; JPO;<br>DERWENT  | OR | ON  | 2008/09/12<br>09:44 |
| L17 | 1    | ("20020154569").PN.                     | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/09/12<br>10:06 |
| L18 | 2    | JP-1021661-\$.did. or EP-860423-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT                      | OR | ON  | 2008/09/12<br>10:07 |
| L19 | 1198 | "494/37".CCLS.                          | USPAT; USOCR  | OR | ON  | 2008/09/12<br>10:21 |
| L20 | 531  | L19 AND @AD<="20040305"                 | USPAT; USOCR  | OR | ON  | 2008/09/12<br>10:21 |
| L22 | 0    | L20 AND L12                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/12<br>10:22 |
| L23 | 1    | L20 AND L8                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/12<br>10:22 |
| S1  | 341  | "562/485".CCLS.                         | USPAT; USOCR  | OR | ON  | 2007/10/26<br>06:37 |
| S2  | 2    | ((TETSUYA) near2 (CHI KATSUNE)).INV.    | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2007/10/16<br>14:18 |
| S3  | 60   | ((HIROSHI) near2 (HORI UCHI)).INV.      | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2007/10/16<br>14:18 |
| S4  | 24   | ((TETSUYA) near2 (CHI KATSUNE)).INV.    | USPAT; EPO;<br>JPO; DERWENT   | OR | ON  | 2007/10/16<br>14:18 |
| S5  | 612  | ((HIROSHI) near2 (HORI UCHI)).INV.      | EPO; JPO;<br>DERWENT  | OR | ON  | 2007/10/16<br>14:18 |
| S6  | 160  | S1 AND @AD<="20040305"                  | USPAT; USOCR  | OR | ON  | 2007/10/16<br>14:20 |
| S7  | 2    | JP-2003128624-\$.did.                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT                      | OR | ON  | 2007/10/16<br>14:21 |
| S8  | 2    | JP-10291957-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT                      | OR | ON  | 2007/10/16<br>14:26 |
| S9  | 2    | JP-11128612-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT                      | OR | ON  | 2007/10/25<br>14:40 |

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| S10 | 1  | ("5919977").PN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/10/16<br>14:22 |
| S11 | 3  | ("5919977").URPN.  | USPAT  | OR | ON  | 2007/10/16<br>14:24 |
| S12 | 2  | JP-08141386-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>14:27 |
| S13 | 2  | JP-11128512-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>14:28 |
| S14 | 0  | JP-0889706-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>14:28 |
| S15 | 0  | JP-889706-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>14:28 |
| S16 | 2  | JP-2003128624-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>14:29 |
| S17 | 2  | slurry near5 extract\$5 same<br>open adj end same side adj<br>wall | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>14:54 |
| S18 | 14 | ("4999115").URPN.  | USPAT  | OR | ON  | 2007/10/16<br>14:38 |
| S19 | 32 | agitat\$5 adj vessel same side<br>adj wall                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>15:06 |
| S20 | 37 | extrusion adj tube same side<br>adj wall                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>15:06 |
| S21 | 2  | slurry same agitat\$5 adj<br>vessel same \$5terephthal\$5          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>15:03 |
| S22 | 2  | agitat\$5 adj vessel same side<br>adj wall.clm.                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>15:05 |
| S23 | 1  | extrusion adj tube same side<br>adj wall.clm.                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/16<br>15:07 |

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| S26 | 172    | S6 same20 extrusion adj tube same side adj wall.clm.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:48 |
| S28 | 374618 | (terephthal\$5 adj acid near10 \$3ethyl adj terephthal\$5) same10 slurry  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:46 |
| S31 | 374601 | (terephthalic adj acid near10 \$3ethyl adj terephthal\$5) same10 slurry   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:49 |
| S32 | 342    | "562/485".CCLS.   | USPAT; USOCR                                       | OR  | ON | 2007/10/25<br>14:48 |
| S33 | 160    | S32 AND @AD<="20040305"   | USPAT; USOCR                                       | OR  | ON | 2007/10/25<br>14:49 |
| S34 | 172    | S33 same20 extrusion adj tube same side adj wall.clm.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:48 |
| S35 | 374690 | S34 same20 S28 or S31   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:49 |
| S36 | 374601 | S34 same20 S28 or S31   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2007/10/25<br>14:48 |
| S37 | 199162 | S28 or S31 AND @AD<="20040305"  | USPAT; USOCR                                       | OR  | ON | 2007/10/25<br>14:49 |
| S38 | 199232 | S34 same20 S37  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:49 |
| S39 | 36780  | (terephthalic adj acid near10 \$3ethyl adj terephthal\$5) same10 slurry.clm.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:56 |
| S40 | 374648 | (terephthalic adj acid near10 \$3ethyl adj terephthal\$5) same10 slurry same20 extrusion adj tube same side adj wall        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>14:58 |
| S41 | 374612 | (terephthalic adj acid near10 \$3ethyl adj terephthal\$5) same10 slurry same20 extrusion adj tube same side adj wall.clm.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>15:00 |
| S42 | 34910  | ((terephthalic adj acid near10 \$3ethyl adj terephthal\$5) same10 slurry same20 extrusion adj tube same side adj wall).clm. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>15:07 |

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| S43 | 41534   | ((terephthalic acid near10 \$3ethyl adj terephthal\$5) same10 slurry).clm.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>15:08 |
| S45 | 2       | ((terephthalic acid near10 \$3ethyl adj terephthal\$5) near10 slurry).clm.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2007/10/25<br>15:12 |
| S46 | 1       | ((terephthalic acid near10 \$3ethyl adj terephthal\$5) near10 slurry).clm. and @ad<="20040305" | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2007/10/25<br>15:12 |
| S47 | 4       | ("5502247").URPN.  | USPAT  | OR  | ON | 2007/10/25<br>15:13 |
| S48 | 71082   | terephthalic adj acid  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:20 |
| S49 | 372870  | slurry   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:20 |
| S50 | 1870    | S48 same S49   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>18:21 |
| S51 | 1473348 | vessel or reactor or agitation or agitator   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:22 |
| S54 | 873     | S50 same S51   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>18:19 |
| S55 | 3047912 | tube or extraction   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:23 |
| S56 | 89      | S54 same S55   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:30 |
| S57 | 14      | hydrolysis near dimethyl adj terephthalate   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:34 |
| S58 | 1       | S56 same S57   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2007/10/25<br>17:30 |
| S59 | 10      | ("3594414").URPN.  | USPAT  | OR  | ON | 2007/10/25<br>17:32 |

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| S60 | 12    | ((("3666791") or ("3697591") or ("4544746") or ("4877900") or ("5359133") or ("5420344") or ("5705682") or ("7204962") or ("20060047152") or ("20060047153") or ("20060047155") or ("20060205976"))).PN. | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/10/25<br>17:35 |
| S61 | 0     | ("5420344").URPN.  | USPAT  | OR | ON  | 2007/10/25<br>17:36 |
| S62 | 67114 | S51 same S49   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:10 |
| S63 | 8604  | S62 same S55   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:10 |
| S64 | 1     | S63 same S57   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:11 |
| S65 | 2174  | normal adj line adj direction  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:12 |
| S66 | 2     | S65 same S49   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:13 |
| S67 | 6     | S65 same S51   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:19 |
| S68 | 1324  | decompression adj valve  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:19 |
| S69 | 58    | S68 same S51   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:27 |
| S70 | 8604  | S51 same S49 same S55  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:22 |
| S71 | 1     | S70 same S65   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/10/25<br>18:22 |

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| S72 | 1      | S51 same S49 same S57                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/25<br>18:22 |
| S74 | 4101   | aspirat\$5 near2 pump                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/25<br>18:23 |
| S75 | 0      | S74 same S56   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/25<br>18:24 |
| S76 | 0      | S74 same S70   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/25<br>18:25 |
| S77 | 48     | S74 same S49   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/25<br>18:25 |
| S78 | 6      | pressure same S49 same S68                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/25<br>18:27 |
| S79 | 152    | eddy adj diffusion                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/26<br>06:38 |
| S80 | 372870 | slurry   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/26<br>06:38 |
| S81 | 4      | S79 same S80   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/26<br>06:42 |
| S82 | 16     | angle near2 extraction adj<br>tube                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/26<br>06:56 |
| S83 | 5      | taper\$6 near2 extraction adj<br>tube                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/26<br>06:56 |
| S84 | 347    | "562/485".CCLS.  | USPAT; USOCR                                       | OR | ON | 2008/04/22<br>14:35 |
| S85 | 160    | S84 AND @AD<="20040305"                                  | USPAT; USOCR                                       | OR | ON | 2008/04/22<br>14:36 |
| S86 | 172    | S85 same20 extrusion adj<br>tube same side adj wall.clm. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |

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| S87 | 77045   | terephthalic adj acid                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S88 | 393677  | slurry  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S89 | 2396    | S87 same S88                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S90 | 1527817 | vessel or reactor or agitation<br>or agitator | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S91 | 1053    | S89 same S90                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S92 | 3137763 | tube or extraction                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S93 | 93      | S91 same S92                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:36 |
| S94 | 6776    | extract\$5 near5 slurry                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:46 |
| S95 | 1110    | S94 same S90                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:46 |
| S96 | 2       | S85 and S93                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:47 |
| S97 | 1       | S85 and S95                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2008/04/22<br>14:48 |

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